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United States
Department of
Agriculture
Soil
Conservation
Service
Boise



Idaho

WATER SUPPLY OUTLOOK FOR IDAHO

in Cooperation with Idaho State Department of Water Resources, Idaho Soil Conservation Districts, and NOAA, National Weather Service



TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Up to 75 percent of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data effecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent as surveyed and marked locations in mountain areas. These measurements are repeated in the same location near the same dates each year. Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Snotel (snow telemetry) networks of automatic snow water equivalent and related data sensing devices, are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. A joint Soil Conservation Service and National Weather Service report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs. This report can be obtained from Soil Conservation Service, National Technical Center, Rm. 510, 511 NW Broadway, Portland, Oregon 97209.

In California, the program is coordinated by the California Department of Water Resources. The Canadian provinces of British Columbia and Alberta have comparable programs.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states.

STATE	MUDICESS

Alaska Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504 Arizona Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025 2490 W. 26th Ave., Diamond Hill, Bldg. A, Denver, Colorado 80211 Colorado (N. Mex.) Idaho Room 345, 304 N. 8th St., Boise, Idaho 83702 Room 443, Federal Building, 10 East Babcock, Bozeman, Montana 59715 Montana 50 S. Virginia Street, P. O. Box 4850, Reno, Nevada 89505 Nevada 1220 S.W. Third Ave., Portland, Oregon 97204 Oregon 4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138 Utah

ADDDECC

Washington 360 U.S. Court House, Spokane, Washington 99201

Wyoming Federal Office Building, 100 East B. Street, Casper, Wyoming 82601

WATER SUPPLY OUTLOOK

FOR

IDAHO

and

Federal-State-Private Cooperative Snow Surveys

Issued by

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Chief
Soil Conservation Service
Washington, D. C.

Released by

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In cooperation with

A. Kenneth Dunn
Director
Idaho Department of Water Resources
Boise, Idaho

and

Soil Conservation Districts
NOAA-National Weather Service
Idaho Power Company
FMC Corporation
Washington Water Power Company

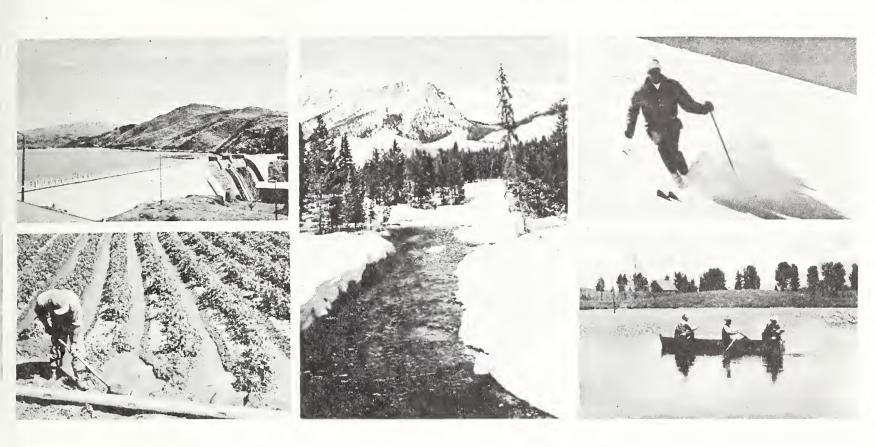
Report prepared by Snow Survey Staff

Gerald A. Beard Snow Survey Supervisor Soil Conservation Service Boise, Idaho

Soil Conservation Service Snow Survey Office Rm. 345, 304 No. 8th Street Boise, Idaho 83702



WATER SUPPLY OUTLOOK for IDAHO



GENERAL STATEMENT FOR FEBRUARY 1, 1985

February 1 snow surveys show snow accumulation during January was well below normal and snowpack conditions which were above to well above average last month now range from below to slightly above average. In general, higher elevation stations reported less than 25 percent of their normal January increases while lower elevation stations reported 25 to 50 percent of normal increases. Basin snowpack conditions now range from a low of 68 percent of average on the Little Lost River and Beaver-Camas Creek drainages in eastern Idaho to 122 percent of average on the Owyhee basin in southwestern Idaho.

This January was one of the driest on record across the state with Idaho City receiving only 4 percent of its normal precipitation while Ketchum had only 8 percent of normal. Sandpoint recorded its driest January since records began and Boise recorded its second driest since records began in 1864. In general, precipitation amounts were in the 25 to 45 percent range.

A strong temperature inversion held over much of Idaho during the month. This kept valley temperatures very cold while some mountain stations had readings in the forties. Many valley readings never rose above the freezing mark in January. An outbreak of artic air at the end of the month sent temperatures well below the zero mark. A few of the coldest temperatures were at Stanley with 39 degrees below zero and Bear Lake with 37 degrees zero.

Reservoir carryover storage remains near normal at 106 percent of average in 21 key reservoirs across the state, ranging from 22 percent of average in Coeur d'Alene Lake to 296 percent of average in Salmon Falls Creek Reservoir.

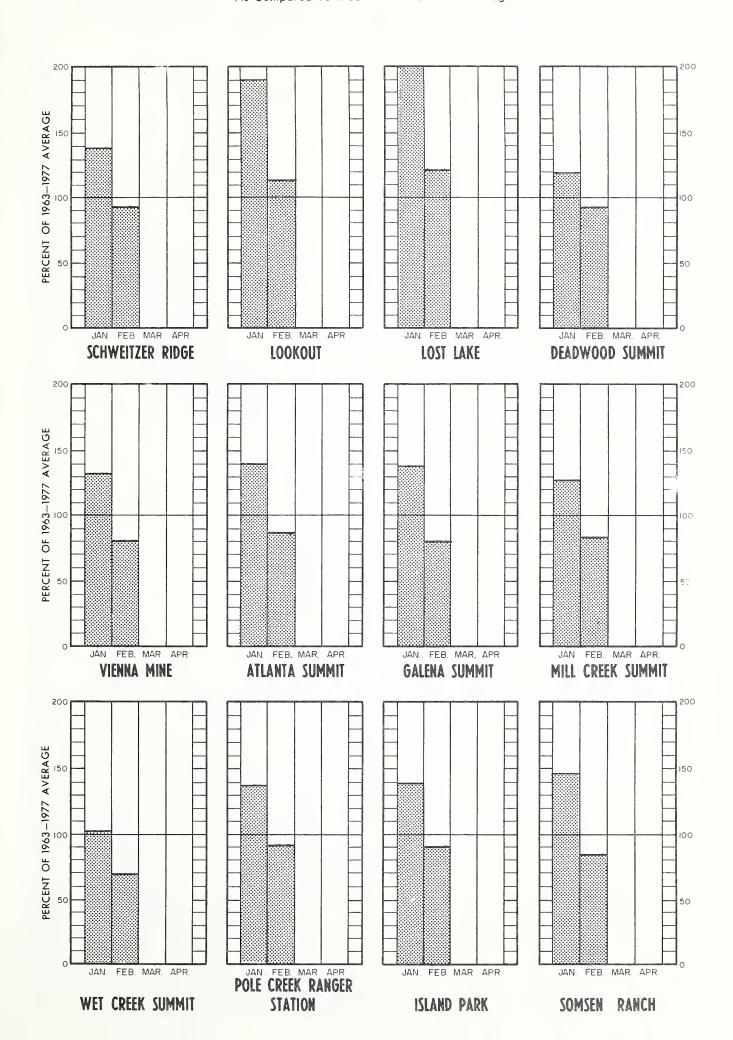
Soil moisture conditions are near normal in northern and central Idaho and above normal in the southern and eastern part of the state.

Streamflow forecasts have been substantially reduced from those issued near the first of January. Forecasts for the April-July period now range from a low of 78 percent of normal in the Little Wood near Carey to 118 percent on the inflow to Oakley Reservoir.

Normal or near mormal precipitation will be needed for the remainder of the season to assure Idaho water users of an adequate water supply for 1985.

SNOW WATER DEPTHS ACCUMULATION For Selected Snow Courses

As Compared To 1963 — 1977 15 Year Average



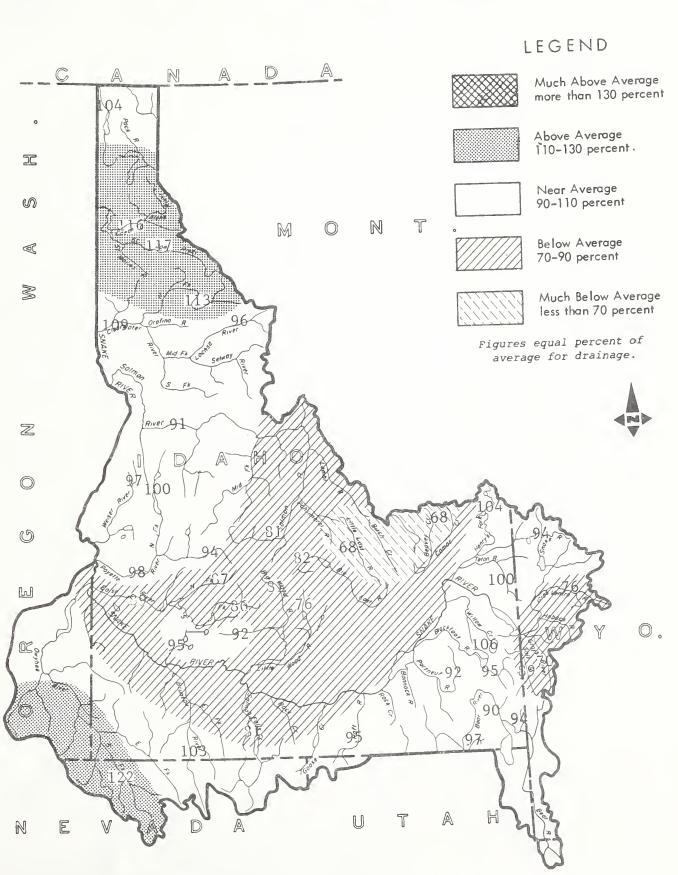
COMPARISON of SNOW COVER

UPPER COLUMBIA RIVER BASIN Kootenai River Pend Oreille River Clark Fork River Clark Fork above Blackfoot, Mt Lower Clark Fork below Missoula, Mt Blackfoot River, Mt Flathead River North Fork Flathead South Fork Flathead South Fork Flathead Bitterroot River Priest River Spokane River Coeur d'Alene River St. Joe River LOWER SNAKE RIVER BASIN Clearwater River North Fork Clearwater Lochsa Selway Salmon River Salmon above Salmon MIDDLE SNAKE RIVER BASIN - Northside Little Lost River Big Lost River Little Wood River Big Wood River South Fork Boise South Fork Boise South Fork Boise Payette River South Fork Payette North Fork Payette Weiser River MIDDLE SNAKE RIVER BASIN - Southside Raft River Goose-Trapper Creeks	NO.OF COURSES AVERAGED	EXPRESSED AS PERCENT OF: LASTYEAR 1961-80 Avera		
		LASTILAR	Tool oo Avera	
NUDDED COLUMNIA DIVED PAGIN				
	36	151	96	
	98	144	100	
	61	144	96	
	27	135	84	
· · · · · · · · · · · · · · · · · · ·	11	169 139	114	
Flathead River	37	143	86 104	
	10	152	100	
	9	164	101	
	9	139	112	
	10	120	87	
	4-5 10-13	141 177	104	
•	6-8	177	117 116	
St. Joe River	4-5	174	117	
LOWER SNAKE RIVER BASIN				
Clearwater River	15-16	153	109	
North Fork Clearwater	11-12	157	113	
	4	139	96	
·	1	140	92	
	15-17	111	91	
Sarmon above Sarmon	5-6	95	81	
MIDDLE SNAKE RIVER BASIN - Northside				
	3-4	80	68	
	3-4	98	82	
	4	90	76	
Big Wood River above Magic Reservoir	11-13 8-9	84 91	83 81	
	3-4	70	92	
•	1	60	95	
	16-19	81	89	
	8-10 8-9	87 81	87	
	15-16	113	86 98	
	6-7	101	94	
•	9	124	100	
•	4-6	116	97	
MIDDLE SNAKE RIVER BASIN - Southside				
	1-2	53	95	
	-	-	-	
Salmon Falls Creek	7-8	44	81	
Bruneau River Owyhee River above Owyhee Lake	4-6 9-17	52 47	103 122	
	9-17	4 /	122	
UPPER SNAKE RIVER BASIN				
Upper Snake above Palisades Reservoir	29	92	84	
Snake above Jackson, Wy Gros Ventre, Wy	8 3	111 84	94 76	
Gros Ventre, wy Greys Rivers, Wy	4	77	70	
Salt River, Wy	5	82	89	
Camas-Beaver Creeks	2-3	86	68	
Henrys Fork River	7-8	107	104	
Teton River	9	95	100	
Willow Creek	7-9 4-5	84 75	106 95	
Blackfoot River Portneuf River	4-5 5-9	75 70	92	
GREAT BASIN				
Bear River	5	79	104	
Montpelier Creek	6	78	94	
Mink Creek	1-4	59	90	
Cub River	3	61	97	

SNOW WATER DEPTHS

As percent of 1961-80 20 year average FEBRUARY 1 IDAHO





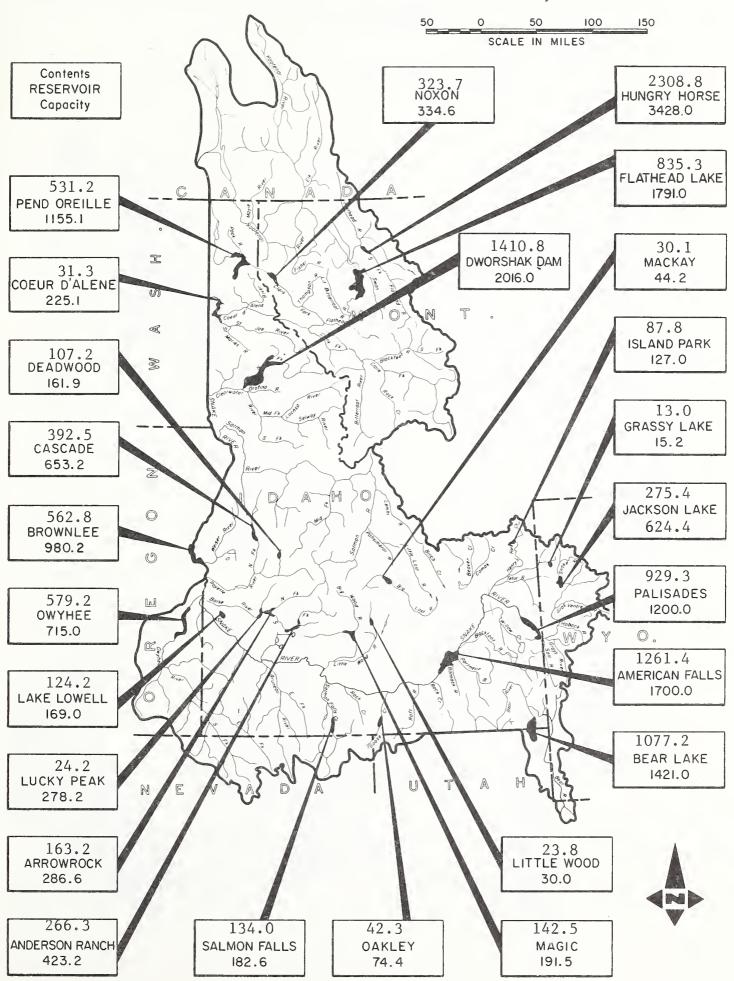
RESERVOIR STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	TILLE MEAN	LACTIVELS	1061 00 4
		THIS YEAR	LAST YEAR	1961-80 Ave
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	2308.0	2610.0	2252.0
Flathead	1791.0	835.3	875.0	2353.0 1179.0
Pend Oreille	1155.1	531.2	604.8	379.8
Noxon	334.6	323.7	318.9	312.2
Spokane				
Coeur d'Alene	225.1	31.3	170 1	1/0/
	223.1	31.3	170.1	142.4
SNAKE BASIN				
Snake				
Jackson Lake	624.4	275.4	489.7	552.7
Palisades	1200.0	929.3	972.0	829.9
American Falls	1673.0	1261.4	1042.2	1134.6
Island Park	127.0	87.8	111.1	99.3
Grassy Lake	15.2	13.0	13.9	10.1
Brownlee	980.2	562.8	781.5	659.9
Goose-Trapper Creeks				
Oakley	74.4	42.3	/2.0	0.5
·	74.4	42.3	42.9	25.6
Salmon Falls Creek				
Salmon Falls	182.6	134.0	77.0	45.2
Big Lost				
[*] Mackay	44.2	30.1	32.8	29.2
Big Wood				
Magic	191.5	142.5	100.3	86.7
Little Wood				
Little Wood	30.0	23.8	14.4	14.7
Fish Creek				
Carey Valley	14.4	7.3	9.0	
Boise				
Anderson Ranch	423.2	266.3	226.9	253.0
Arrowrock	286.6	163.2	67.8	241.4
Lucky Peak	278.2	24.2	177.5	77.0
Lake Lowell (Deer Flat)	169.0	124.2	132.7	114.7
<u>Owyhee</u>				
Owyhee	715.0	579.2	590.7	336.1
Payette				
Cascade Deadwood	653.2 161.9	392.5 107.2	399.6 99.8	343.9 74.5
Weiser				
Mann Creek	11.1	3.86	3.8	
Clearwater				
Dworshak	2016.0	1410.8	1037.5	
	2010.0	1410+0	103/•3	
GREAT BASIN				
Bear				
Bear Lake	1421.0	1077.2	1109.9	970.6

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

FEBRUARY 1, 1985



STREAMFLOW FORECASTS		THIS YEAR	3	PAST RECORD		
BASIN, STREAM and/or FORECA	ST POINT	FOR F	Percent of	FORECAST	THOUSAND A	
57311, 311E-41 210 01 1 01E-07		Acre Feet	Average	PERIOD	Last Year	Average +
		UPPER COLUMBIA BA	SIN			
KOOTENAI RIVER						
Leonia	(at)	7960	93	Apr-Sep		8602
	•	6973 5627	93 93	Apr-Jul Apr-Jun		7498 6051
PEND OREILLE RIVER Clark Fork River						
Whitehorse Rapids	(at)	12900	95	Apr-Sep		13575
		11700 10040	95 95	Apr-Jul Apr-Jun		12351 10570
Pend Oreille Lake Inflow		14900	98	Apr-Sep		15150
Priest River						
Priest River 1/	(at)	1010	112	Apr-Sep		885
SPOKANE RIVER		.948	112	Apr-Jul		832
Post Falls 2/	(at)	3190 3075	112 112	Apr-Sep Apr-Jul		2860
St. Joe River Calder	()			-		2759
Calder	(at)	1 445 1368	111 112	Apr-Sep Apr-Jul		1294 1125
		CNAVE DIVER PAGEN				
CVAVE DAVID		SNAKE RIVER BASIN				
$\frac{\text{SNAKE RIVER} - \text{MAIN STEM}}{\text{Moran } 3/}$	(at)	830	94	Apr-Sep		880
Palisades Inflow 3/	()	2427	89	Apr-Sep		3793
Heise <u>4</u> /	(nr)	3 6 60 3118	90 90	Apr-Sep Apr-Jul		4066 3465
Blackfoot 5/	(nr)	5050	93	Apr-Sep		5430
		4120	93	Apr-Jul		4429
Henrys Fork						
Ashton <u>6</u> /	(nr)	714 529	100 100	Apr-Sep Apr-Jul		714 529
Rexburg 7/	(nr)	1475	100	Apr-Sep		1475
Falls River		1150	100	Apr-Jul		1153
Squirrel	(nr)	362	99	Apr-Jul		366
Teton						
South Leigh Creek	(ab)	194 145	100	Apr-Sep		194
St. Anthony	(nr)	464	100 100	Apr-Jul Apr-Sep		145 465
		374	100	Apr-Jul		375
Portneuf River						
Topaz	(at)	103 94.5	115 115	Mar-Sep Mar-Jul		89.2 82.2
Ooklay Boomsta Inflan						
Oakley Reservoir Inflow		35.6 32.1	118 118	Apr-Sept Mar-Jul		30.2 27.2
Salmon Falls Creek						
San Jacinto	(nr)	94	100	Mar-Sep		94.0
		89.3 84.4	100 100	Mar-Jul Mar-Jun		89.3 84.4
Bruneau River						
Hot Springs	(nr)	255	105	Mar-Sep		243
		244	105	Mar-Jul		232

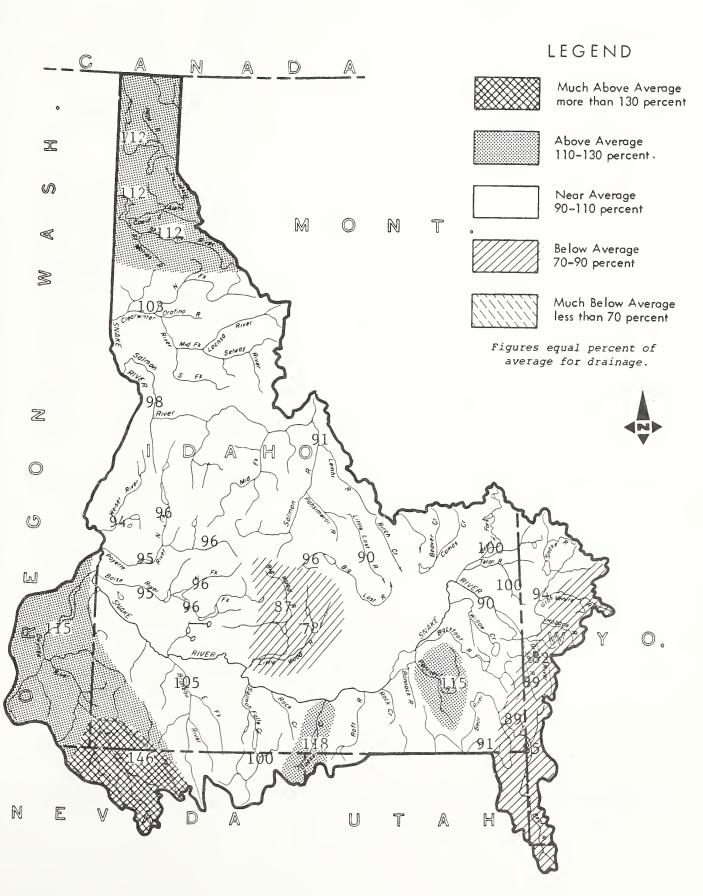
⁽c) Assuming normal meteorological conditions.

PROSPECTIVE STREAMFLOW Based on Snow Surveys made on approximately FEBRUARY 1

and expressed as a percent of the 1961-80 20 yr. average

IDAHO





EAMFLOW FORECASTS			THIS YEAR	PAST RECORD		
		FOREC		FORECAST	THOUSAND ACRE FEET	
BASIN, STREAM and/or FORECA	ST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average
Little Lost River						
Howe	(nr)	37.9	90	Apr-Sep		42
	\ /	29.3	90	Apr-Jul		32
II- * Cl-	(11)	2/ 0	0.0			•
Wet Creek	(b1)	34.9	90	Apr-Sep		38
		28.3	90	Apr-Jul		31
Dig Look Divor		23.8	90	Apr-Jun		25
Big Lost River Howell Ranch	(-+)	20.2	0.6			
nowell kanch	(at)	202	96	Apr-Sep		211
		178	96	Apr-Jul		186
		138	96	Apr-Jun		144
Mackay <u>8</u> /	(nr)	176	96	Apr-Sep	a	184
Big Wood River	()	1/0	0.7			
Bellevue	(nr)	168	87	Apr-Sep		193
		155	87	Apr-Ju1		180
Magic Reservoir						
Inflow 9/		257	80	Apr-Sep		295
		244	87	Apr-Jul		280
Little Wood River		244	07	API JUI	-	200
Carey 10/	(nr)	78.7	78	Apr-Sep		101
	()	72.6	78 78	Apr-Jul	***	93
		64.4	78	Apr-Jun		82
Boise River		V-1-1	. 0	p. 0411		02
Twin Springs	(nr)	680	96	Apr-Sep		705
. ,	·	627	96	Apr-Jul		650
Boise 11/	(nr)	1492	95	An = - Cc =		1571
D0136 11/	(111)	1381	95 95	Apr-Sep		1571
		1215	95 95	Apr-Jul Apr-Jun		1454
South Fork		1415	93	Apt-Juii		1279
Anderson Dam 12/	(at)	566	96	Apr-Sep		590
The state of the s	(40)	529	96	Apr-Jul		551
Owyhee River		525	, ,	MPL OUL		551
Gold Cr., Nv 13/	(nr)	32	145	Apr-Jul		22
Owyhee, Nv 13/	(nr)	125	146	Apr-Jul		85
Lake Owyhee		432	115	Apr-Sep		376
net inflow $14/$		401	115	Apr-Jul		349
Rome —	(at)	450	120	Apr-Jul		376
Payatta Piva-						
Payette River Horseshoe Bend 15/	(nr)	1715	0.5	A		1005
norseshoe bend 13/	(nr)	1715	95 05	Apr-Sep		1805
		1585	95	Apr-Jul		1668
North Fork						
Cascade 16/	(at)	530	90	Apr-Sep		553
		497	96	Apr-Jul		518
Banks 16/	(nr)	684	96	Apr-Sep		712
_		644	96	Apr-Jul		671
South Fork				=		
Lowman	(at)	477	96	Apr-Sep		497
		424	96	Apr-Jul		441
Deadwood Reservoir I	nflow	135	96	Apr-Jul		141
Weiser River						
MCTOCT KINGI						
Weiser	(nr)	401	94	Apr-Sep		427

EAMFLOW FORECASTS			THIS YEAR	PAST RECORD			
		FORE	CAST C	FORECAST	THOUSAND ACRE FEET		
BASIN, STREAM and/or FOR	RECAST POINT	Thousand Acre Feer	Percent of Average	PERIOD	Last Year	Average +	
Salmon River							
Whitebird	(at)	6760	98	Apr-Sep		6876	
MILEGELLA	(42)	6110	98	Apr-Jul		6211	
Salmon	(nr)	961	91	Apr-Sep		1053	
		820	91	Apr-Jul		899	
Clearwater River Orofino	(at)	5340	103	An m - Co -		5185	
Orollilo	(al)	5064	103	Apr-Sep Apr-Jul		4917	
			100			.,,,,,	
Spalding	(at)	9190	109	Apr-Sep		8460	
		8710	109	Apr-Jul		8000	
North Fork Clearwater							
Dworshak Reservoi	r Inflow	3270	110	Apr-Sep		2985	
		3050	109	Apr-Jul		2805	
	GR	EAT BASIN					
EAR RIVER							
Harer	(at)	264	85	Apr-Sep		310	
Montpelier Creek							
Montpelier	(nr)	12.4	89	Apr-Sep		13.	
	\ /	2004	0.2	F- 05F		15	
Cub River		,-					
Preston	(nr)	47.1	91	Apr-Sep		51.	
		42.6	91	Apr-Jul		46.	

- Observed flow corrected for storage in Priest Lake.
- Observed flow corrected for storage in Coeur d'Alene Lake.
- Corrected for storage in Jackson Lake.
- Corrected for storage in Jackson Lake and Palisades.
- Corrected for storage in Jackson Lake, Palisades, Island Park, Henrys Lake, Grassy Lake and diversions between Heise and Blackfoot.
- Corrected for storage in Henrys Lake and Island Park Reservoir.
- Corrected for storage in Henrys Lake and Island Park, Grassy Lake and diversions between Ashton and Rexburg.
- Observed flow corrected for storage in Mackay Reservoir.
- Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. Corrected for storage in Little Wood Resevoir.
- Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak.
- Corrected for storage in Anderson Ranch Reservoir.
- Corrected for storage in Wildhorse Reservoir.
- From Bureau of Reclamation records of inflow.
- $\frac{\frac{8}{9}}{\frac{10}{10}} / \frac{\frac{10}{11}}{\frac{12}{12}} / \frac{\frac{13}{14}}{\frac{15}{16}} / \frac{\frac{15}{16}}{\frac{16}{16}}$ Corrected for storage in Cascade and Deadwood Reservoirs.
- Corrected for storage in Cascade Reservoir.

W			THIS YEAR		PAST RECORD		
		Date	Snow Depth	Water Content	Water Cont	tent (incl	
SNOW COURSE NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	bAve	
ABOVE BURKE	4100	1 / 20 / 25					
ABOVE ROLAND	4100 4350	1/30/85 1/30/85	60 	18.4	9.0	14.	
AFTON RANGER STATION	6240	1/30/85	23	25.2E		21.	
ALLEN RANCH	6470	1/30/85	2 3 3 5	4,2 7,4	4.5	3 .	
ANTELOPE RIDGE	6180	2/01/85		5.6E	9.8	4	
ARIZONA	6820	1/30/85	41	11.3	11.8	13	
ASPEN GROVE	6500	1/30/85		8.0E		8.	
ASTER CREEK	7750	1/30/85	59	20.6	15.5	20.	
ATLANTA SUMMIT	7600	1/30/85	60	21.1	23.6	24	
ATLANTA TOWNSITE AUSTIN BROTHERS RNCH	5370	1/30/85	32	8.1	11.4	_	
BAD BEAR	6400	1/30/85	29	6.2	8.5	6.	
BADGER GULCH	4940 6660	2/01/85 2/01/85	34	10.2	12.4	10.	
BANNER SUMMIT	7040	2/01/85		5.6E		8.	
BASE CAMP	7030	1/31/85	40	20.1E 10.4	18.9		
BATTLE CREEK	5720	1/30/85	16	4.6	11.0	14.	
BEAR BASIN	5350	2/01/85		12.0E	11.6	2.	
BEAR CANYON	7900	2/01/85		9.9E	10.1	1.1	
BEAR CREEK	7800	2/01/85		12.8E	22.4	11. 13.	
BEAR SADDLE	6180	2/01/85		17.4E		13.	
BEAVERDAM CREEK	6120	2/01/85	25	5.8	8.6	_	
BENNETT MOUNTAIN	6560	2/01/85		12.1E		12.	
BENTON MEADOW	2370	1/25/85	21	6.1	4.8	5.	
BENTON SPRING	4920	1/25/85	47	16.6	9.5	13.	
BIG BEND	6700	2/01/85	19	6.3E	10.2	6.	
BIG CREEK SUMMIT BIG SPRINGS	6580	2/01/85		25.7E	21.6	25.	
BIRCH CREEK	6400	2/01/85	42	11.6	11.1	14.	
BLACK MOOSE	6800	1/30/85	33	7.4	9.1	7.	
BLACKROCK	8160 8900	2/01/85		25.1E		28.	
BLIND BULL SUMM AIR	8650	1/31/85 1/29/85	43	11.2	15.0	14.	
BLUE LEDGE MINE	6900	2/01/85	48	13.6	16.0	19.	
BLUE RIDGE	6780	1/30/85	51	8.0E 14.3	16 2	12.	
BOGUS BASIN	6340	1/27/85	49	16.8	16.3 20.3	11.	
BOGUS BASIN ROAD	5540	1/27/85	17	5.3	10.4	16. 5.	
BONE	6200	1/30/85	26	5.6	5.6	5.	
BOULDER CREEK	5440	1/30/85	45	14.0	14.4	17.	
BOYER MOUNTAIN	5250	1/28/85	54	18.4		18.	
BREEZY SADDLE	5010	1/31/85	80	24.2	12.5	_	
BROCKMAN STATION	6430	1/30/85	3 2	6.6	9.0	6.	
BRUNDAGE MOUNTAIN	756 0	2/01/85		32.7E	25.0	31.	
BRUNO CREEK	7920	2/01/85	42	12.0	11.5	_	
BRYAN FLAT	6420	1/30/85	29	6.2	6.3	6.	
BULL BASIN	5460	1/30/85	6	1.2		1.	
CAMP CREEK CAYUSE AIRSTRIP	6580	1/29/85	26	6.0	4.8	7.	
CCC CAMP	3500	1/31/85	35	8.1	6.5	9.	
CHIMNEY CREEK	7000 6400	1/29/85	33	7.4	9.6	8.	
COLUMBIA BASIN AM	6650	1/26/85 1/30/85	31	10.1	14.3		
COOL CREEK	6250	1/30/85	35 112	9.1	18.4	6.	
COPPER BASIN	7640	2/01/85	112	37.1 4.9E	 5.7		
COPPER RIDGE	4820	2/01/85		4.9E 21.6E	5./	6.0	
COTTONWOOD LK AIR	7600	1/29/85	40	10.6	12.3	16.	
COUCH SUMMIT	6840	1/26/85	40	11.6	14.3	13.	
COZY COVE	5380	1/30/85	34	10.5	11.6	12.	
CRATER MEADOWS	5960	1/31/85	91	29.2	22.7	30.	
CRAWFORD R.S.	4860	2/01/85		5.6E	5.7	6.4	
CROOKED FORK	3610	1/31/85	3 4	9.4	8.0	10.3	
CUB RIVER R.S.	5450	1/26/85	22	5.5	11.7	6.5	
DARBY CANYON	8250	1/30/85	54	16.8	17.3	15.3	
DEADLINE DEADLINE SOUTH	7400	2/01/85		9.5E	26.3	15.6	
DEADMAN GULCH	7450	2/01/85		11.3E	28.0	20.8	
DEADWOOD AIRSTRIP	5600	1/30/85	50	13.8	15.0	12.4	
DEADWOOD SUMMIT	5360 6860	2/01/85	70	10.3E	12.3	11.2	
DEMPSEY CREEK	6860 6100	1/30/85	79	30.3	24.1	32.6	
DOLLARHIDE SUMMIT	6100 8420	2/01/85	4.2	8.0E		8.4	
EAST CREEK	7000	1/30/85 2/01/85	42	13.5	17.6	17.0	
EAST RAGGED SADDLE	3740	1/29/85	30 58	7.2 20.2	12.4		
EAST RIM DIVIDE	7930	1/29/05	28	20.2 5.7	 7 2	0 5	
ELBO RANCH	7100	1/28/85	28	7.2	7.2 	9.5	
ELK BUTTE	5550	1/31/85	88	27.4	18.7	. D 26.7	
EMIGRANT SUMMIT	7390	1/31/85	53	14.2	24.0	17.0	
EMIGRATION CANYON							

⁽b) 1961-1980, 20 year period.(e) Snow course data estimated from automated Snotel readings.

OW .			(THIS YEAR			RECORD
	·		Date	Snow Depth	Water Content	Water Con	tent (inches)
SNOW	COURSE NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	BAverage
	FALL CREEK	6820	1/30/85	30	6.4		
	FAWN CREEK AM	7050	1/30/85	43	11.2	19.7	7.8
	FISH LAKE AIRSTRIP	5650	2/04/85	80	25.1	17.9	27.2
	FORTY-NINE MEADOWS	4830	1/31/85	76	23.0	13.2	19.9
	FOUR MILE MEADOWS	7860	1/31/85	29	6.2	8.1	9.4
	FOURTH OF JULY SUM.	3200	1/31/85	41	12.5	6.9	7.1
	FOX CREEK	6800	2/01/85	21	7.2E	12.3	
	FRANKLIN BASIN	8040	1/26/85	51	17.3	22.9	16.6
	FREDS MOUNTAIN	8000	1/31/85		17.3E	18.5	16.7
	FRY CANYON GALENA	6700	2/01/85	17	5.6E	12.0	5.0
		7440	1/31/85	38	10.8	11.3	13.8
	GALENA SUMMIT GARFIELD R.S.	8780	1/31/85	46	13.2	16.5	16.5
	GIBBONS PASS	6560 7100	2/01/85	26	5.4	6.3	7.7
	GIVEOUT	6860	1/30/85 1/31/85	47	14.2	13.4	16.2
	GLADE CREEK	7040	1/30/85	36 53	8.9	10.6	8.5
	GOAT CREEK	8800	2/01/85		16.6 12.6E	15.4 20.6	15.9
	GOLD CREEK	6600	2/01/85	12	4.0E	5.1	11.4
	GRAHAM RANCH	6270	1/31/85	35	8.2	10.1	9.9
	GRASSY LAKE	7270	1/30/85	73	24.5	22.0	24.2
	GREYS BOUNDARY	5720	1/30/85	32	7.0	10.2	8.1
	GROS VENTRE SUMMIT	8750	1/28/85	31	6.4	8.0	8.5
	GROVER PARK DIVIDE	7000	1/30/85	33	7.4	10.4	8.6
	HEART LAKE TRAIL	4800	2/01/85	59	19.4	10.6	15.7
	HEMLOCK BUTTE	5810	2/04/85	106	36.7	23.8	33.8
	HILTS CREEK	8000	1/30/85	26	5.7	6.6	
	HOODOO BASIN HOODOO CREEK	6050	2/01/85	102	42.0	26.2	34.8
	HOWELL CANYON	5900	2/01/85	97	37.3	24.6	32.4
	HUCKLEBERRY DIVIDE	7980 7300	2/01/85 1/30/85		14.8E	27.7	17.9
	HUMBOLDT GULCH	4250	1/30/85	43 49	11.8	13.0	15.0
	HUMMINGBIRD SPRINGS	8950	2/01/85		14.0 16.0E	6.6 26.0	15.0
	HYDE PASTURE	5760	1/30/85	2 1	6.3		15.0
	HYNDMAN CREEK	7440	2/01/85		8.9E	7.7	
	IDAHO CITY TOWNSITE	4000	2/01/85	18	4.2	8.0	
	INDIAN MEADOWS	8420	1/30/85	76	26.4	28.3	24.5
	ISLAND PARK	6290	2/01/85	39	10.5	9.7	11.7
	JACKPINE CREEK	7350	1/30/85	52	15.7	14.7	15.2
	JACKS PEAK	8420	2/01/85	48	16.1E	27.2	12.1
	JACKSON PEAK JAKES CREEK AM	7070	1/30/85	58	20.0	18.5	22.9
	JOHNSTON POND	7000	1/30/85	15	2.9	9,6	3.7
	KELLOGG PEAK	6700 5560	1/31/85	12	3.2		
	KILGORE	6320	2/01/85 1/29/85		26.5E		23.6
	LAKE FORK	5290	1/26/85	27 36	5.4	8.5	8.2
	LAKEVIEW CANYON	6930	1/28/85	26	10.5 6.4	11.2	12.2
	LAKEVIEW RIDGE	7400	1/28/85	24	6.2	6.2 5.5	8.5 7.6
	LANGFORD FLAT CREEK	5980	2/04/85	23	4.4	11.0	7.0
	LAUREL DRAW	6700	2/01/85		7.0E	11.2	6.2
	LAVA CREEK	7350	1/30/85	42	9.2	13.8	9.9
	LES BOIS	4900	2/02/85	43	10.8		
	LEWIS LAKE DIVIDE	7850	1/30/85	73	26.3	23.8	28.4
	LIBERTY SPRING	8600	2/01/85		21.9E		23.6
	LITTLE BEAVER LOLO PASS	6790	2/01/85	43	11.4	13.2	10.5
	LOCKOUT	5240	2/01/85	62	20.8	14.1	21.5
		5140	1/30/85	82	28.0	15.0	24.6
	LOOKOUT BUTTE AM LOST LAKE	5650 6110	1/30/85	120	.0	26 9	. 2
	LOST-WOOD DIVIDE	7900	1/31/85 2/01/85	130	46.1	26.8	38.0
	LOUSE CANYON AM	6440	1/30/85	21	12.6E 7.1	12.3	16.1 2.6
	LOWER HOME CANYON	7640	2/01/85	32	7.7	12.2	10.4
	JACK CREEK, LOWER	6800	2/01/85	9	2.9E	4.7	2.0
	LOWER PEBBLE	5780	2/01/85	36	9.0	11.0	9.2
	LOWER SANDS CREEK	3120	2/01/85		16.1E		14.3
	MAGIC MOUNTAIN	6880	2/01/85		7.8E	24.6	12.8
	MASCOT MINE	7780	2/01/85		8.7E	7.7	9.1
	MC RENOLDS RESERVOIR	6720	1/30/85	51	12.5	12.7	13.2
	MEADOW LAKE	9150	2/01/85		9.3E		13.7
	MERRIT MOUNTAIN AM	7000	1/30/85	18	4.7	12.2	5.0
	MILL CREEK SUMMIT	8800	2/01/85		13.5E	12.7	16.3
	MINK CREEK	6410	1/31/85	45	10.6	18.2	12.0
	MONTPELIER CREEK MOONSHINE	6540	2/01/85		5.8E	6.2.	5.8
	MOORES CREEK SUMMIT	7440 6100	1/30/85	23	5.2	6.6	7.5
			2/01/85	61	20.4	24.0	22.6

⁽b) 1961-1980, 20 year period.
(e) Snow course data estimated from automated Snotel readings.

DW W			THIS YEAR		PAST I	RECORD
		Date	Snow Depth	Water Content	Water Cont	ent (inches)
SNOW COURSE NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	bAverage
MOOSE CREEK	6200	1/31/85	36	10.2	11.2	12.2
MORAN MORGAN CREEK	6750 7600	1/31/85 2/01/85	29 	6.7 8.8E	8.9 8.9	5.4 9.9
MOSQUITO RIDG		1/31/85	82	28.8	18.2	25.8
MOUNT BALDY	8920	1/30/85	41	11.4	14.1	14.4
MUD CREEK	7100	1/30/85	58	15.8	16.8	11.2
MUD FLAT	5730	2/01/85		5.8E		5,2
MULDOON NORTH PUTNAM	6320 7240	2/01/85 2/01/85	19 50	3.3 16.1	3.6 20.0	5.8
PACKSADDLE SF		1/30/85	58	19.8	20.0	
PEBBLE CREEK	6550	2/01/85	38	10.4	13.0	11.6
PHILLIPS BENG	_	1/30/85	51	16.8	17.7	19.6
PIERCE R. S.	3080	1/31/85	33	9.2	7.4	8.5
PINE CREEK PA POISON MEADOW		1/30/85 1/28/85	41 51	10.6 14.5	12.3 19.2	11.7 20.9
POLE CREEK R.		2/01/85		12.3E	21.9	13.5
PRAIRIE	4800	1/31/85	21	4.8	6.7	4.9
RED CANYON	6650	1/30/85	20	6.0		5.7
ROAD CREEK ROCK FLAT SUM	5380 1MIT 5310	2/01/85 1/30/85	40	6.6E 11.2	10.2 11.0	7.7 12.8
RODEO FLAT	6800	2/01/85	14	4.6E	13.0	4.1
ROLAND SUMMIT		2/01/85		31.3E		27.7
SADDLE MOUNTA		1/30/85	49	15.0	14.4	17.9
SALT RIVER SU		1/29/85	38	10.0	11.4	11.3
SAVAGE PASS SAWMILL CANYO	6170 N 7000	1/31/85 1/30/85	61 20	19.6 3.9	13.8 5.2	18.9 6.0
SAWTELL MOUNT		2/01/85	61	21.2	22.0	23.0
SCHWEITZER BA		2/01/85		35.4E	25.7	
SCHWEITZER BO		2/01/85		22.7E	15.8	21.6
SCHWEITZER RI		2/01/85		30.7E	23.1	32.9
SECESH SUMMIT SEDGEWICK PEA		2/01/85 2/01/85	- 36	25.4E 9.1	19.2 16.0	25.4
SEVENTYSIX CF		2/01/85	27	8.6E	18.3	6.3
SHANGHAI SUMM		2/04/85	73	23.1	12.7	17.3
SHEEP MOUNTAI		1/30/85	33	8.0	8.8	9.3
SHERWIN	3200	2/01/85	- ′ 24	12.6E 4.1	8.3 9.5	10.5
SHOSHONE BASI SLUG CREEK DI		2/04/85 1/31/85	36	8.8	13.4	11.6
SNAKE RIVER		1/30/85	45	12.9	13.0	14.6
SNOW KING MTM	N 7660	1/29/85	35	8.8	9.2	10.7
SOLDIER R.S.	5740	1/26/85	29	8.6	11.9	9.3 10.2
SOMSEN RANCH	6840 6240	1/30/85 2/01/85	41	8.6 19.7E	12.3 13.0	18.8
SQUAW FLAT SQUAW MEADOW	5900	2/01/85		26.0E	18.0	24.6
STATE LINE	6660	1/30/85	37	10.4	10.7	10.0
STRAWBERRY CI		1/31/85	33	7.3		7.6
STRAWBERRY-M		2/01/85	 27	13.4E 8.6		15.0 3.6
SUCCOR CREEK SUNSET	6100 5540	1/30/85 2/01/85	64	21.7	13.2	23.0
SWEDE PEAK	7640	2/01/85	36	9.7	11.3	11.9
TARGHEE PASS	6980	2/01/85		9.0E	7.8	10.5
TAYLOR CANYO		1/30/85	21	3.8	12.1	3.7 17.7
TETON PASS W TEX CREEK	.s. 7740 6650	1/30/85 2/01/85	52 	17.6 6.8E	19.1	6.4
TOE JAM AM	7700	1/30/85	29	7.3	16.3	6.4
THUMB DIVIDE	7980	1/30/85	45	14.3	9.6	14.6
TOGWOTEE PAS		1/31/85	51	14.9	18.8	20.2
TOUCHET #2	5530 7770	1/30/85	84 66	32.9 24.7	15.0 26.3	19.1 29.7
TRINITY MOUN' TRIPOD SUMMI		1/30/85 1/27/85	44	13.8		13.6
TURPIN MEADO		1/31/85	22	4.4	6.8	8.0
TWIN SPIRIT		1/29/85	45	14.7		
TWITCHELL CA		2/01/85	42	12.3	13.3	16 3
UPPER HOME C		2/01/85 2/01/85	48 20	13.9 5.2E	20.3 11.2	16.3 4.7
JACK CREEK, VALLEY VIEW	UPPER 7250 6680	2/01/85	38	10.0	8.6	11.7
VALLET VIEW VAUGHT RANCH		1/30/85	15	4.5		2.7
VIENNA MINE	8960	1/30/85	58	20.5	21.8	25.5
WEBB CREEK	4720	1/29/85	29	6.9	148	
WEST BRANCH WET CREEK SU	5560 MMIT 7680	1/30/85 1/30/85		14.2 5.4	14.8 6.8	7.8
WEI CREEK SU WHISKEY FLAT	6960 6960	2/01/85		6.8E	7.3	6.7
WHITE ELEPHA	NT 7710	2/01/85	48	15.6	14.4	16.0
WILDHORSE DI	VIDE 6490	1/31/85	40	10.0	17.2	
WILLOW FLAT	6100	1/26/85	34	10.3	19.8	11.1

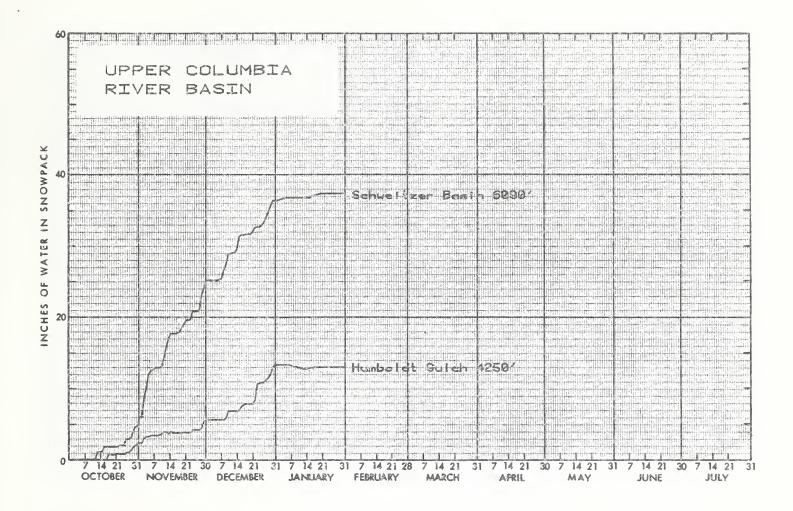
⁽b) 1961-1300, 20 year period.
(e) Snow course data estimated from automated Snotel readings.

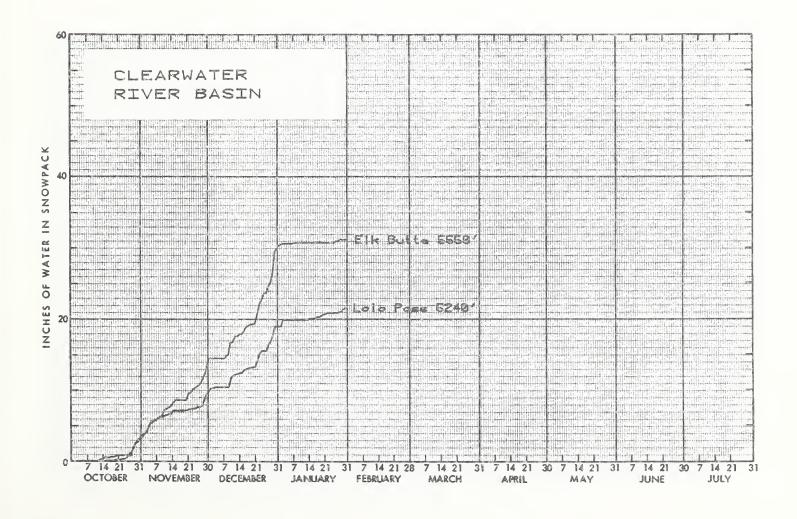
SNOTEL PILLOW DATA				This Year	Past Record		
Data Site Name	Drainage	Elevation	Date	Water Content (inches)	Last Year	61-80 <u>1</u> Average	
Atlanta Summit	Boise	7580	2/1	19.0	21.1	21.7	
Banner Summit	Payette	7040	2/1	17.9	16.7		
Base Camp	Upper Snake	7030	2/1	10.7	10.3		
Bear Basin	Little Salmon	5350	2/1	NA	11.1	13.6	
Bear Canyon	Big Lost	7900	2/1	8.7	8.8	10.7	
Bear Creek	Jarbridge	7800	1/31	11.4	22.7		
Bear Mountain	Clark Fork	5400	2/1	46.4	23.2		
Bear Saddle	Mann Creek	6180	2/1	16.5	17.2		
Bennett Mountain	Canyon Creek	6560	2/1	11.8	22.0	13.3	
Big Creek Summit	Salmon	6580	2/1	22.2	18.3	22.3	
Big Sandy Opening	Green	9080	1/31	7.1	NA		
Blind Bull Summit	Green	8650	2/1	13.5	16.8		
		7500	1/31	12.2	NA		
Bostetter Ranger Station	Trapper		2/1	19.7	16.2		
Bunchgrass Meadow	Pend Oreille	5000					
Cool Creek	Clearwater	6250	1/31	35.7			
Cottonwood Lake	Salt	7600	2/1	11.1	15.5		
Coulter Creek	Upper Snake	7020	2/1	13.8	NA		
Cozy Cove	Deadwood	5380	2/1	11.0	14.9	15.1	
Crab Creek	Camas-Beaver	6860	2/1	7.3	10.7		
Crater Meadows	Clearwater	5960	2/1	32.9			
Deadwood Summit	Deadwood	6860	1/30	24.0	25.6	34.9	
Dollarhide Summit	Big Wood	8420	1/31	14.9	19.4	17.3	
Elk Butte	Clearwater	5550	2/1	31.7	23.9	34.4	
Elkhart Park Guard Station	Green	9400	2/1	6.1	9.3		
Emigrant Summit	Bear	7390	2/1	NA	28.0	19.4	
Franklin Basin	Cub	8170	2/1	NA	26.0		
Galena	Big Wood	7470	2/1	11.7	12.0	13.7	
Galena Summit	Big Wood	8780	2/1	NA	NA	13.3	
Garfield Ranger Station	Little Wood	6560	1/28	5.7	6.4	7.6	
Giveout	Montpelier	6930	2/1	9.0	9.6	8.8	
Goat Creek	Salmon Falls	8880	2/1	13.3	21.3		
Graham Guard Station	Boise	5690	2/1	12.4e	12.4	12.3	
Grassy Lake	Upper Snake	7265	1/31	24.6	21.8		
Gros Ventre Summit	Upper Snake	8750	1/26	11.3	NA		
Hemlock Butte	Clearwater	5810	,	37.6		37.4	
			2/1		25.6		
Hilts Creek	Little Lost	8000	1/29	8.8	10.4		
Howell Canyon	Marsh Creek	7980	2/1	12.le	24.3	15.0	
Humboldt Gulch	Coeur d'Alene	4250	2/1	13.1	4.5	10.2	
Hyndman	Big Wood	7440	1/31	7.4	6.3	8.0	
Indian Creek	Green	7960	1/31	14.0	21.1		
Island Park	Henrys Fork	6290	2/1	9.6	8.8	11.5	
Jackson Peak	Boise	7070	2/1	18.1	17.8	21.4	
Kelly Ranger Station	Green	8180	1/31	8.7	12.9		
Lewis Lake Divide	Upper Snake	7850	2/1	20.8	19.9		
Lolo Pass	Lochsa	5240	2/1	21.7	15.1	22.9	
Lookout	Coeur d'Alene	5140	2/1	26.4	NA	23.9	
Loomis Park	Green	8240	2/1	9.2	9.2		
Lost Lake	Clearwater	6110	2/1	51.3	34.4	48.9	
Lost-Wood Divide	Big Lost	7900	2/1	7.9	11.9	16.1	
Magic Mountain	Rock Creek	6880	2/1	7.5	23.4	12.8	
Meadow Lake	Lemhi	9150	1/30	8.3	NA		
fill Creek Summit	Salmon	8800	2/1	12.9	12.0	15.2	
Moonshine	Little Lost	7440	2/1				
Moores Creek Summit	Boie			5.4	6.1	7.7	
		6100	2/1	21.8	23.7	22.9	
Moose Creek	N. Fork Salmon	6200	1/30	10.0	11.5	12.3	
Morgan Creek	Salmon	7600	2/1	8.3	8.2	9.5	
Mosquito Ridge	Coeur d'Alene	5200	2/1	NA	17.5	25.9	
Mountain Meadows	Selway	6360	2/1	13.5	15.5	20.9	
Mud Flat	Owyhee	5730	1/31	4.0	NA	4.7	
Oxford Spring	Malad	6740	2/1	5.1	NA	8.5	
Phillips Bench	Salmon Falls	8200	2/1	16.1	15.2		
Pole Creek Ranger Station	Salmon Falls	8330	2/1	11.3	20.4		
Prairie	Boise	4800	2/1	2.7	5.4	4.0	
Salt River Summit	Salt	7700	2/1	6.8	10.3		
Savage Pass	Lochsa	6170	2/1	19.3	13.9	19.7	
Schweitzer Basin	Pend Oreille	6090	1/30	37.4	26.5	37.8	
Secesh Summit	Payette	6520	1.31	25.7	19.0	25.7	
Shanghai Summit	Clearwater	4570	2/1	25.5	NA	21.1	
Sheep Mountain	Willow	6570	2/1	8.8	10.6	9.2	
		3200	1/31	10.5	8.0	9.9	
Sherwin							
Sherwin Slug Creek Divide	St. Maries						
Sherwin Slug Creek Divide Snider Basin	Blackfoot Green	7225 8060	2/1 2/1	9.6 7.0	14.1 9.3	13.1	

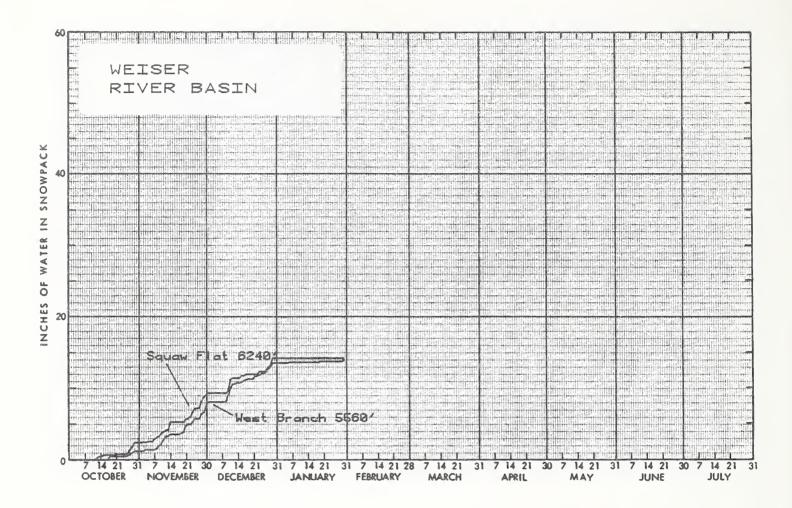
 $[\]frac{1}{NA}$ Estimated 1961-1980 20 year average. NA Data not available

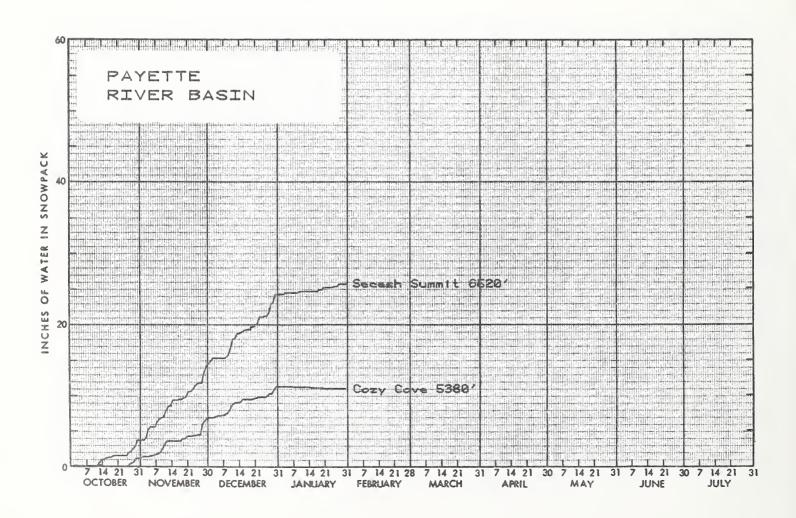
SNOTEL PILLOW DATA				This Year	Past Record		
Data Site Name	Drainage	Elevation	Date	Water Content (inches)	Last Year	61-80 <u>1</u> / Average	
South Mountain	Jordan-Owyhee	6500	2/1	NA	22.9	9.2	
Spring Creek Divide	Green	9000	2/1	12.7	16.7	J• Z	
Squaw Flat	Weiser	6240	2/1	14.3	9.8	16.2	
Stickney Mill	Big Lost	7430	2/1	5.1	5.7	5.2	
Sunset	Coeur d'Alene	5540	1/31	26.7			
Swede Peak	Little Wood	7640	2/1	9.2	10.0	10.1	
Togwotee Pass	Upper Snake	9580	1/31	14.2	15.5		
Touchet #2	Touchet	5530	2/1	35.4	15.0		
Trinity Mountain	Boise	7770	2/1	23.3	26.3	28.7	
Two Ocean Plateau	Upper Snake	9160	2/1	16.3	15.9		
Vienna Mine	Salmon	8960	2/1	20.0	22.3	25.5	
West Branch	Weiser	5560	2/1	13.8	15.7	18.6	
White Elephant	Henrys Fork	7710	2/1	15.3	15.5	16.7	
Wildhorse Divide	Portneuf	6490	2/1	NA	NA		
Willow Creek	Greys	8450	2/1	18.1	25.5		

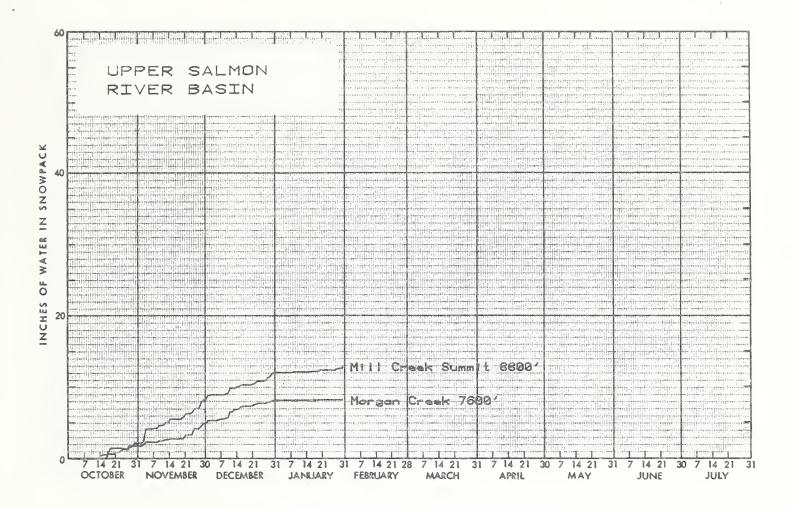
^{1/} Estimated 1961-1980 20 year average. NA Data not available

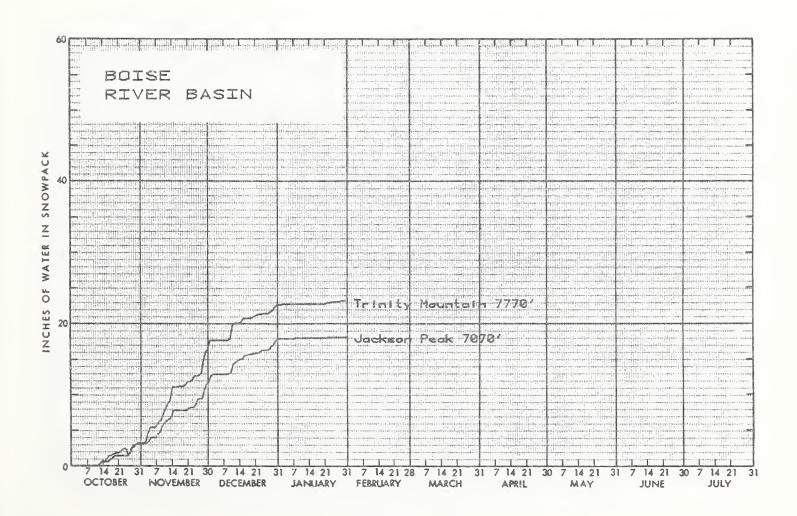


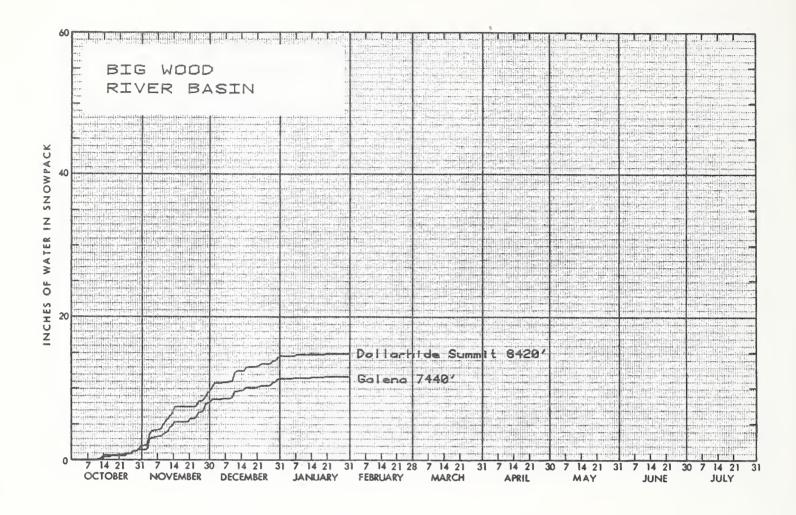


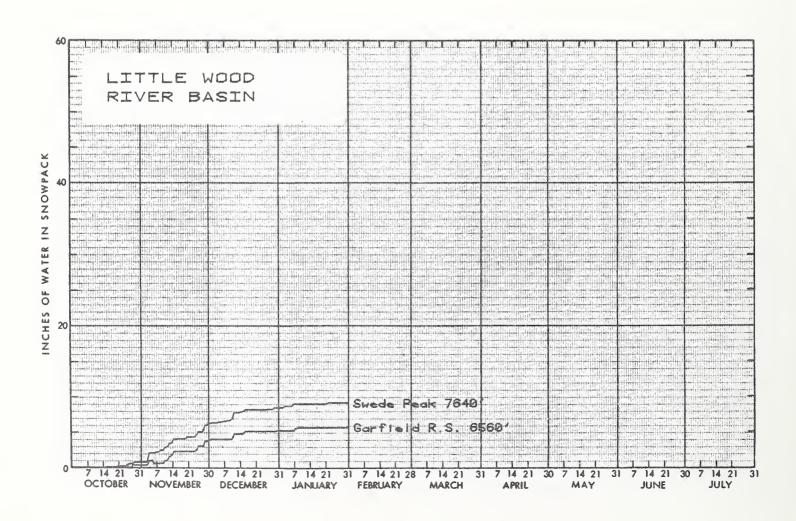


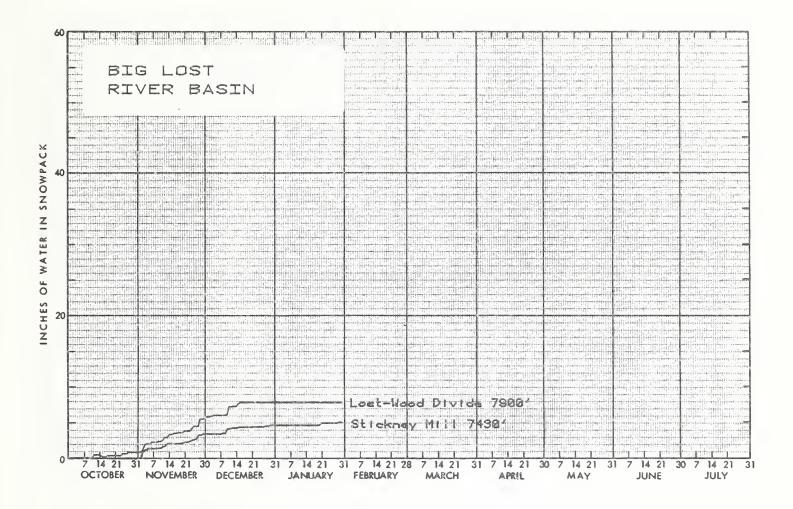


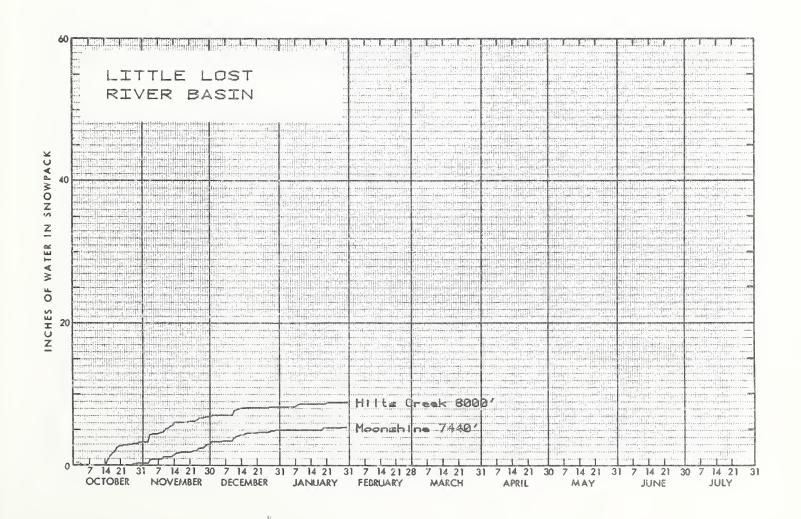


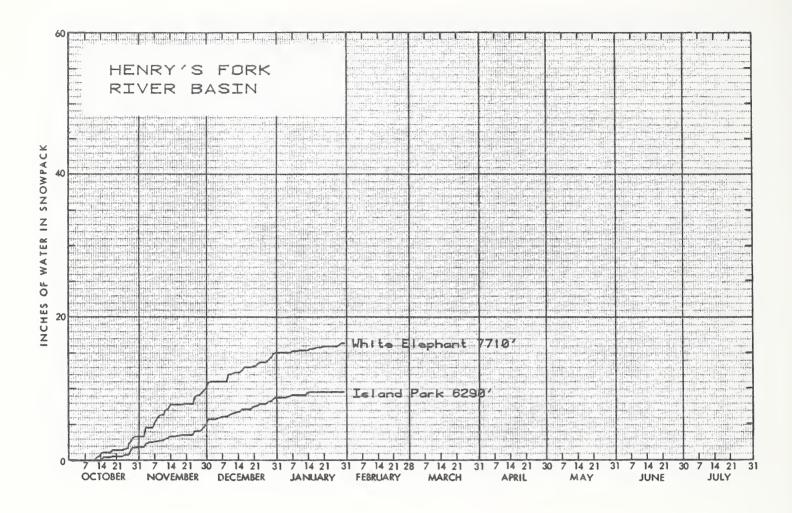


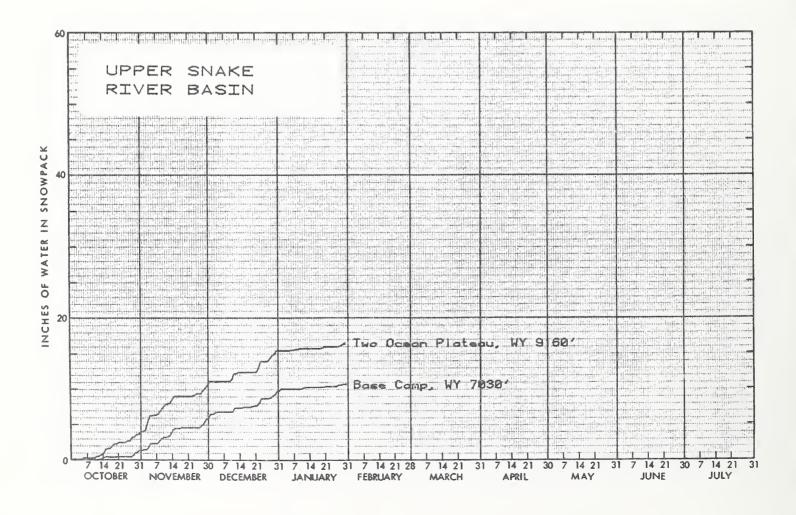


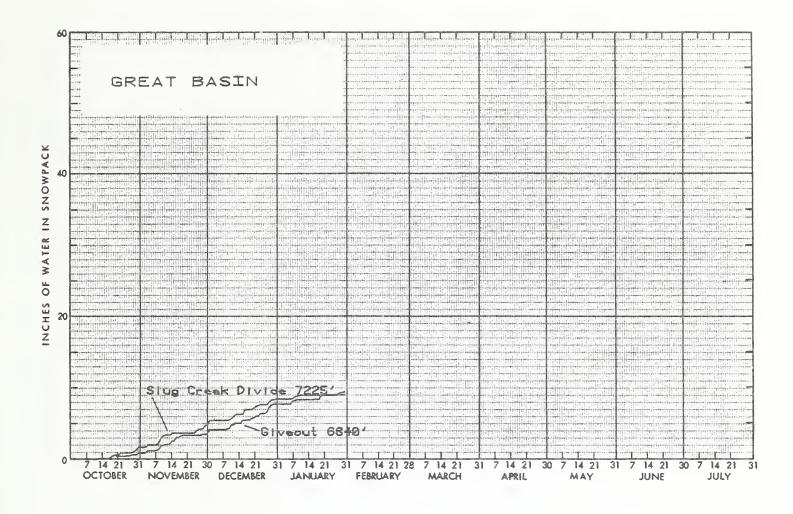


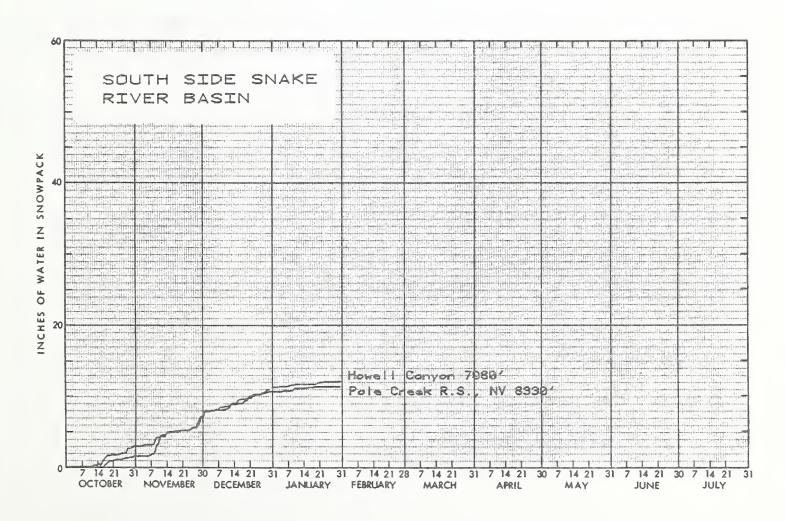


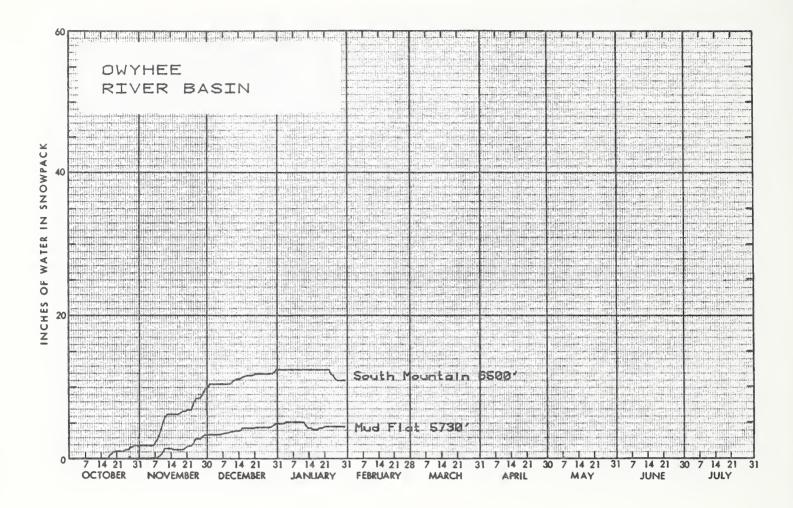












GOVERNMENT AGENCIES

State

Idaho Department of Water Resources Oregon State Engineer and Corps of State Watermasters

Federal

Montana Cooperative Snow Surveys Nevada Cooperative Snow Surveys Oregon Cooperative Snow Surveys Utah Cooperative Snow Surveys Wyoming Cooperative Snow Surveys

- U.S. Army Corps of Engineers
- U.S. Department of Agriculture Forest Service
- U.S. Department of Commerce NOAA, National Weather Service
- U.S. Department of Interior
 Bureau of Reclamation
 Water Resources Division, Geological Survey
 Shoshone-Bannock Tribal Council

PUBLIC UTILITIES

Washington Water Power Company Idaho Power Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Blaine Soil Conservation District
Boise Project Board of Control
Idaho Water District #01
Little Wood River Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control
Valley Soil Conservation District
Portneuf Soil and Water Conservation District
East Cassia Soil and Water Conservation District
West Cassia Soil and Water Conservation District
Camas Soil and Water Conservation District
Lewiston Orchards Irrigation District

PRIVATE ORGANIZATIONS

FMC Corporation Cyprus Mining Company Les Bois Resort

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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